DIGITAL VIDEO RECORDING SYSTEM

NetDVR User Manual

FX-STATION

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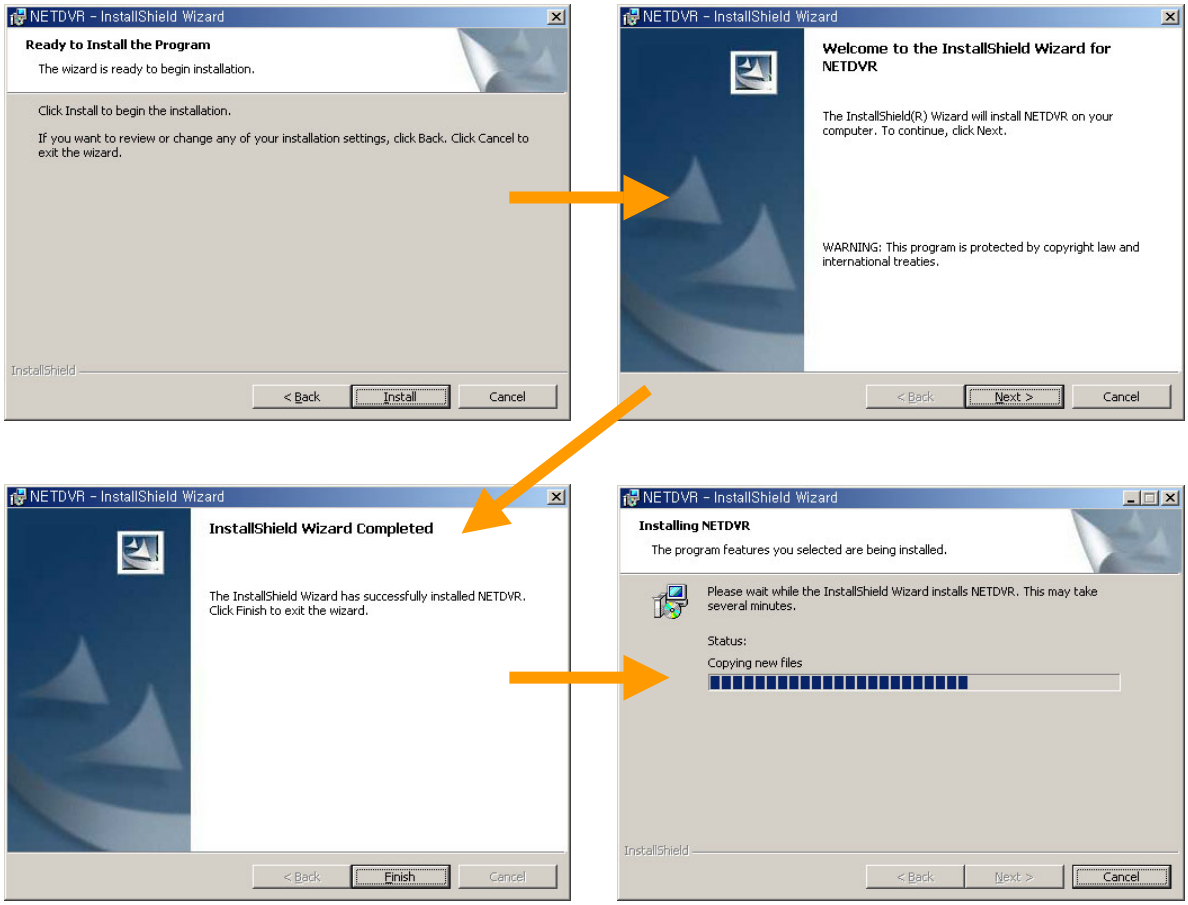
I SYSTEM CONFIGURATION & HOW TO INSTALL NETDVR

1 System Configuration

- NetDVR is a program to connect main server DVR server to a remote site thorough Network.
- With NetDVR, user can monitor, search, backup, and set up a server DVR etc.
- To connect server DVR with NetDVR, user has to check "Enable Remote" at [Network] part of [Option] of the main(server) DVR.
- User can connect 16 different remote DVR sites at once with NetDVR program.
- User needs network connection authorized User name and Password to connect the DVR server from remote site by using this NetDVR.

2 NetDVR Installation Procedure

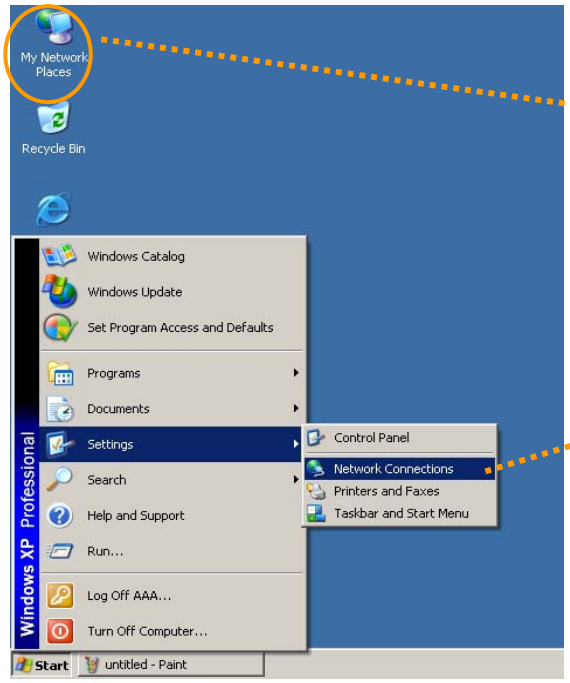
- Install NetDVR program on your remote site PC.
- 3 steps to install NETDVR. (Next – Install – Finish)


NETDVR - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel
NETDVR - InstallShield Wizard
Welcome to the InstallShield Wizard for NETDVR
The InstallShield(R) Wizard will install NETDVR on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel
NETDVR - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed NETDVR. Click Finish to exit the wizard.
< Back
Finish
Cancel
NETDVR - InstallShield Wizard
Installing NETDVR
The program features you selected are being installed.
Please wait while the InstallShield Wizard installs NETDVR. This may take several minutes.
Status:
Copying new files
InstallShield
< Back
Next >
Cancel

3 Network setup for Server DVR

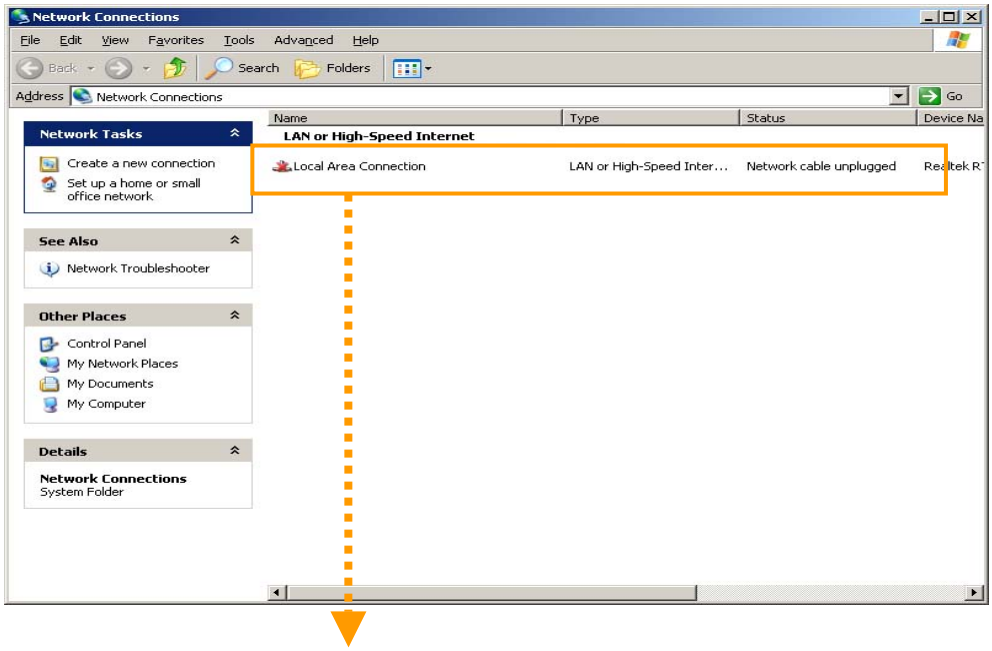
3.1 TCP/IP setup

※ For Windows XP

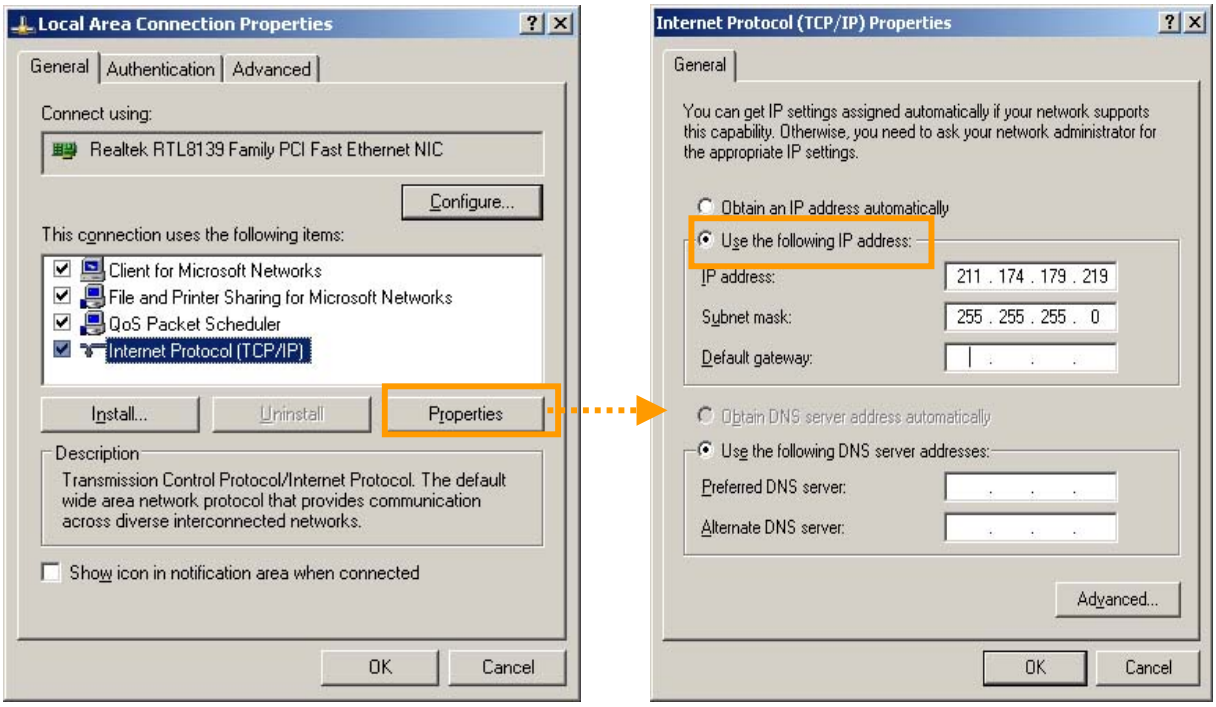


※ Open Network Set up Panel

1. Just double click “My Network Places” for network setup.
2. Start – Settings – Network Connectors.
3. Start – Settings – Control Panel – Network and Internet Connections – Set up or change internet connection.



Please double click “Local Area Connection” or click right mouse button, and click “Properties”.


Local Area Connection Properties
General
Authentication
Advanced
Connect using:
Realtek RTL8139 Family PCI Fast Ethernet NIC
Configure...
This connection uses the following items:
Client for Microsoft Networks
File and Printer Sharing for Microsoft Networks
QoS Packet Scheduler
Internet Protocol (TCP/IP)
Install...
Uninstall
Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
Show icon in notification area when connected
OK
Cancel
Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
211 . 174 . 179 . 219
Subnet mask:
255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

□ Please click on the Internet Protocol (TCP/IP), and click “Properties”.

□ Now you can see the Internet Protocol (TCP/IP) Properties. Please check “Use the following IP address”, if you have fixed IP address, and then fill in IP address, Subnet mask, and Default gateway, etc.

□ If you don’t have Fixed IP address, and Flexible IP address through DHCP server, please check “Obtain IP address automatically”.

Tip : All users should have a Fixed IP address for Server DVR or Flexible IP address through DHCP server. Only with client PC with NetDVR, users can use flexible IP to connect with the Server DVR.

4 Network setup for Client PC

4.1 TCP/IP setup

※ For Windows XP

- Same as a server DVR network setup. You should know IP address of the server DVR PC in order to access the Server DVR.
- Client PC doesn't need Fixed IP or DHCP server, just flexible IP is enough to connect with the Server DVR.

II How to use NetDVR

1 Initial Screen Configuration and Names

- NetDVR is a program to connect a main(server)DVR with remote site PC through network.

< Initial Screen for NetDVR >

(1) Date and Time Information

 Shows current date and time information.

(2) Remote Monitoring Indicator

 If the NetDVR is connected to Server DVR, the network indicator will be flashing.

(3) Connect / Disconnect

 Click to connect or disconnect with server DVR.

(4) Local Setup

 Setup for Single or Group site connection configuration to monitor Server DVR.

 Please refer to **Chapter 2 for details**.

(5) Local Search

 Search for saved images that are displayed on a client PC through NetDVR program.

 Please refer to **Chapter 3 for details**.

(6) Log Viewer

 To show Log file data in client site.

 Please refer to **Chapter 4 for details**.

(7) Remote Setup

 Control server DVR setup from remote(client) site through connection.

 User can change server DVR setup by connecting only a single site.

 Please refer to **Chapter 5 for details**.

(8) Remote Search

 Search recorded date of server DVR.

 Please refer to **Chapter 6 for details**.

(9) Save

 Save the current video data that is displayed on remote site from the server DVR through network. User can search this saved data with " Local Search " function.

(10) Screen Division (Multi Screen)

 User can choose multi-screen display mode.

(11) Manual Rotation

□ User can rotate the monitoring screen by clicking this button.

(12) Auto Rotation

□ User can see auto sequential screen by setting time at System Setting part from amera 1 to 16.

(13) PTZ Control

□ Control PTZ camera that is connected to server DVR from client site with NetDVR.

(14) Close Program

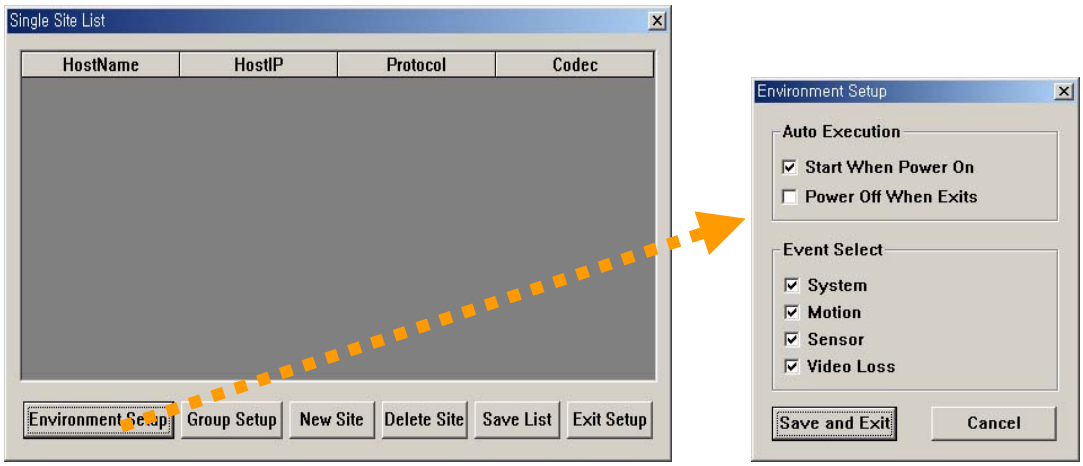
□ Click only to exit NetDVR program.

2 Local Setup

※ Following is the procedure of connecting Server DVR with NetDVR.

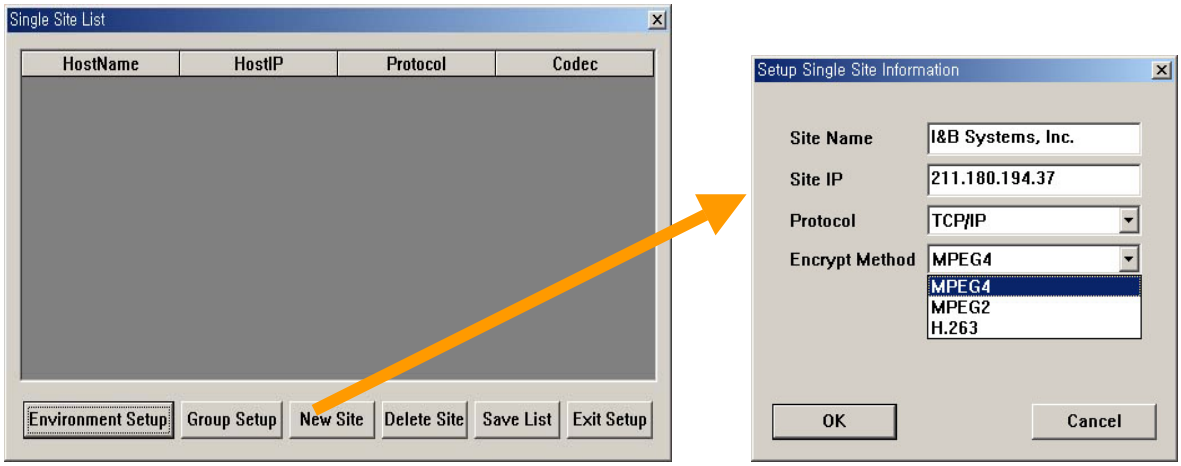
1. Click the Local Setup icon in the main NetDVR GUI & Environment Setup.
2. Make a Single Site setup.
3. Make a Group Site setup.
4. Now click the Connect / Disconnect to connect the Server DVR.
5. Select a site you want to connect from Single or Group site List.
6. **Just simply click "Disconnect" icon to disconnect with server DVR.**

2.1 NetDVR environment setup

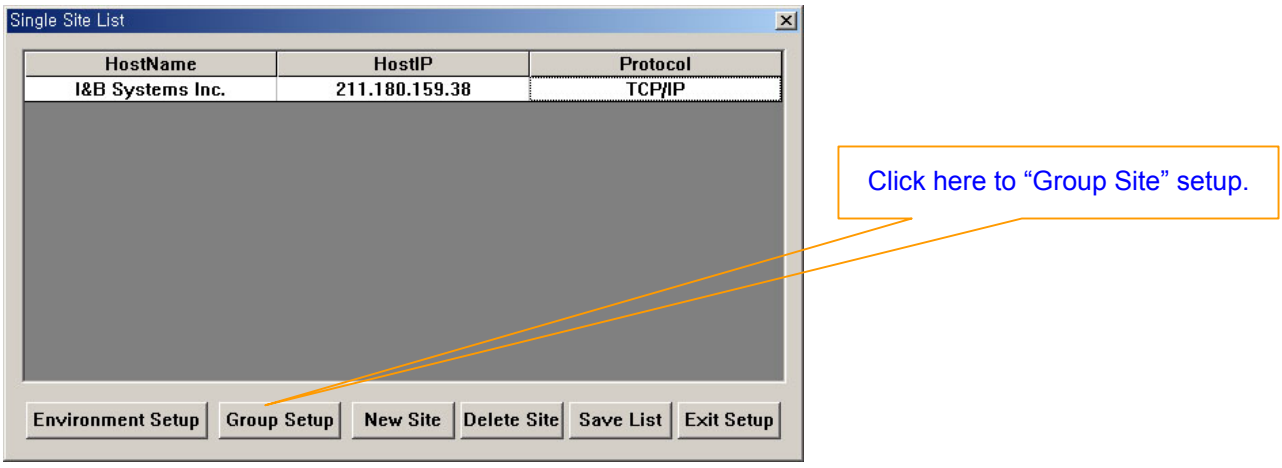


□ Click "Environment Setup" and check Auto Execution and Event Select.

2.2 Single Site connection setup

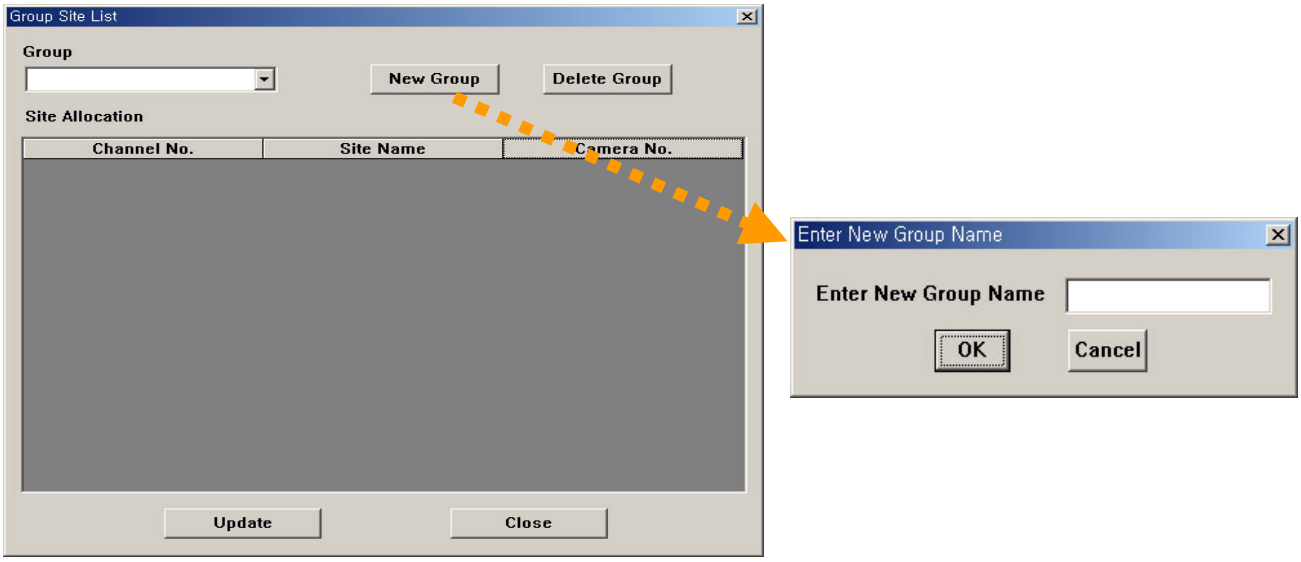


- Click “New” and fill in Site Name and DVR Site IP, and select Protocol type and Encrypt method.
- Be sure to click ‘Save List’ after setting “Single Site List” and user can also use “Delete Site” for deletion.

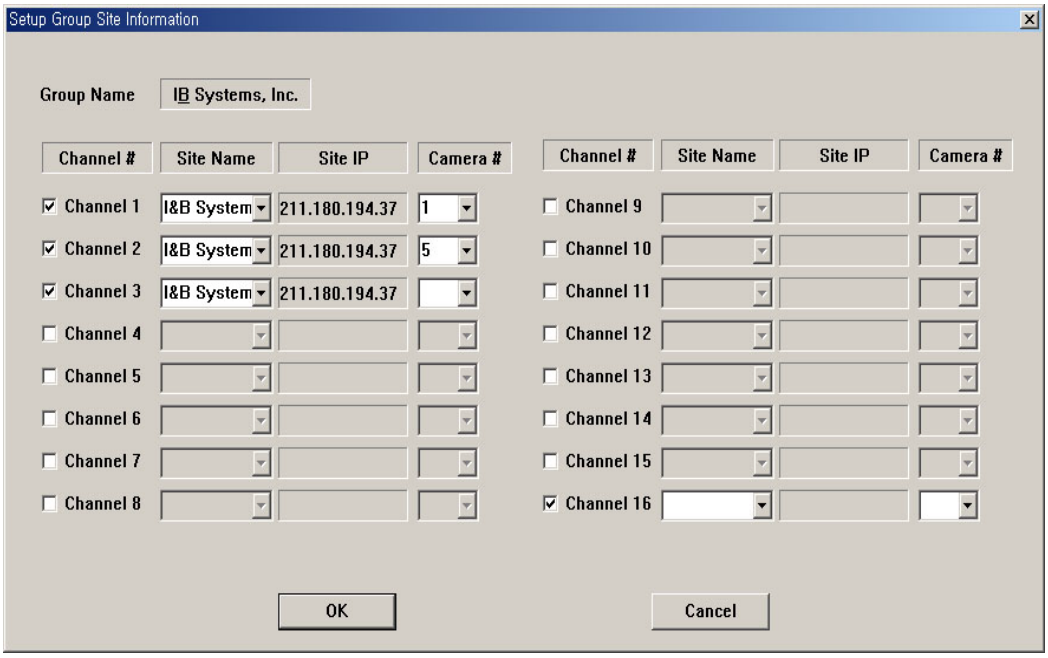


2.3 Group Site connection setup

□ Do the same as Single site setup to make a Group site setup .

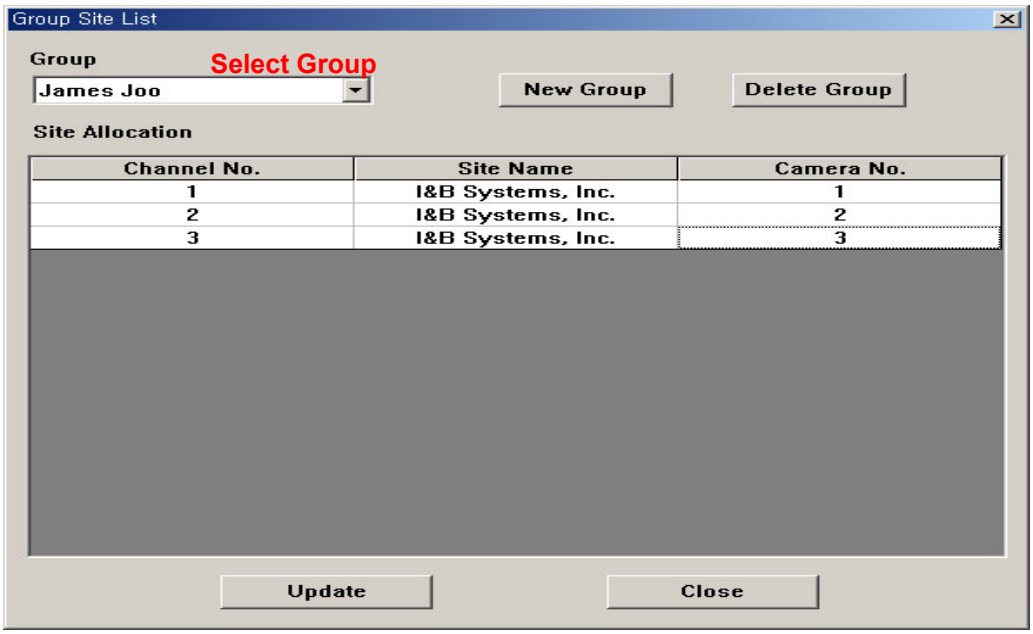


□ Click the “New Group” to make a Group Name. Please fill in the group name, and click “OK”.



□ Check the “Channel 1” and select one of single site name, and choose a camera No, which you want to monitor from the single site DVR.

- Check the rest and do the same as channel 1 to monitor other site DVR cameras.
- User can set up to 16 different cameras of 16 different DVR sites to monitor at once with one NetDVR on a client PC site.
- User can find camera connection status of a group by selecting name of Group.



2.4 Remote Login

- Select Site name from Single or Group Site List, and fill in User Name and Password.
- User has to get Remote Access Authorized User Name and Password to Login.

3 Local search

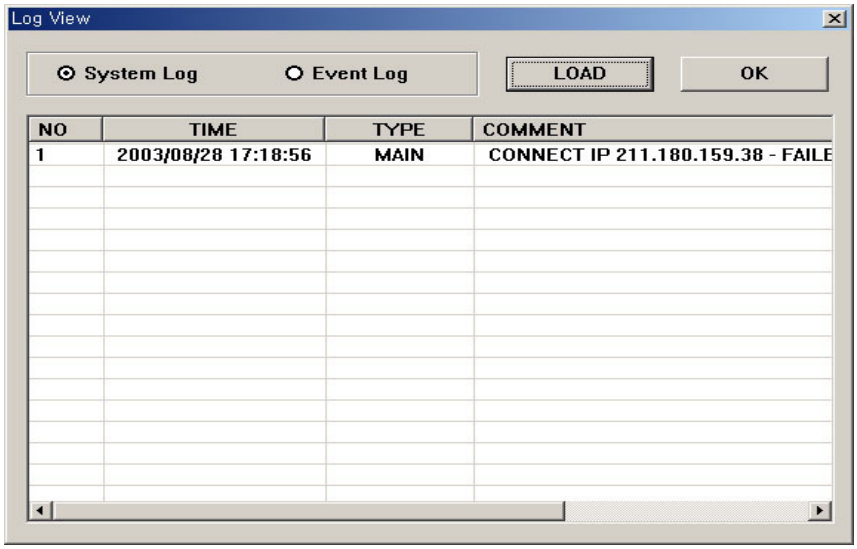
□ Click the ‘Local Search’ button and select the site to search.

□ Then, select either “Current” or “Past”for Save Type.

□ All other features are same as the sever DVR search usage. Please refer to User Manual.

4 Log Viewer

□ Users can find all Log information from here.

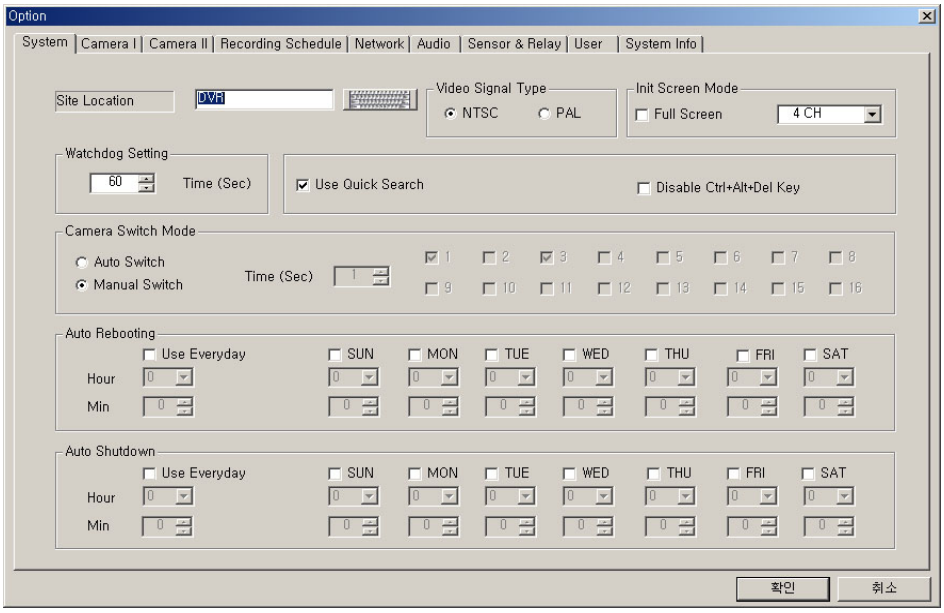


□ Select “System Log” or “Event log”(Motion or Sensor), and click [Load].

5 Remote Setup

□ Users can change all Server DVR setup from NetDVR site.

□ Please refer to “ User Manual ”



6 Remote Search

□ It is to search recorded data of the Server DVR from NetDVR site.

□ Users can save the data of Server DVR to NetDVR site PC by clicking [Save Search] button and you can search this data at “Local Search” of NetDVR.

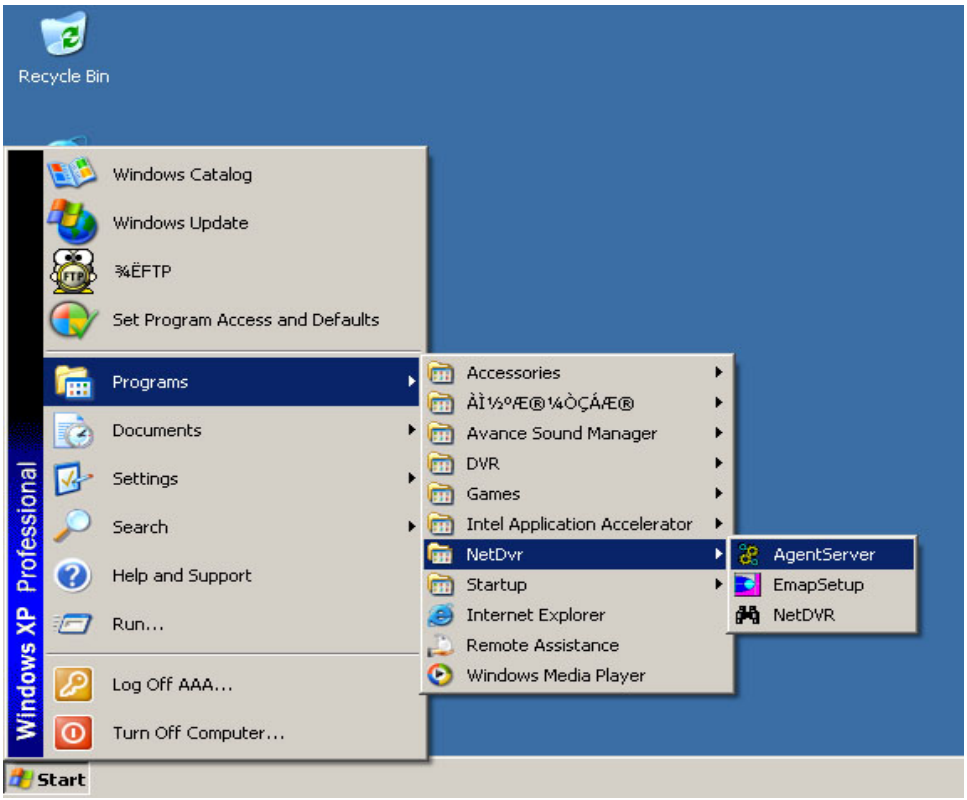
□ Other features are same as Server DVR search usage. Please refer to “User Manual”.

III How to use Agent Server

1 Initial Screen Configuration and Names

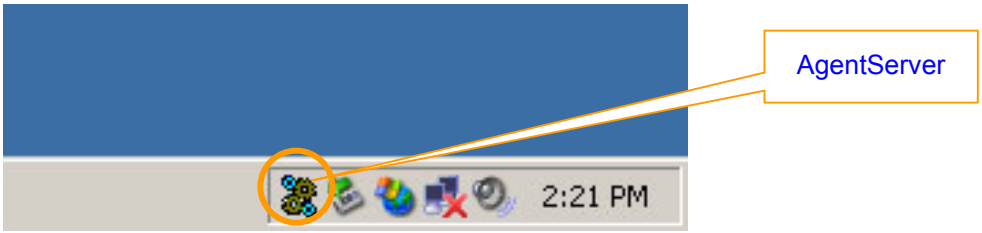
 This is for auto-activation for NetDVR.

 E-Map & the NetDVR will be activated automatically and pop up in the remote site PC monitor.



 After installed the NetDVR program, please go to **Start–Programs–NetDVR–AgentServer** to activate the “AgentServer”.

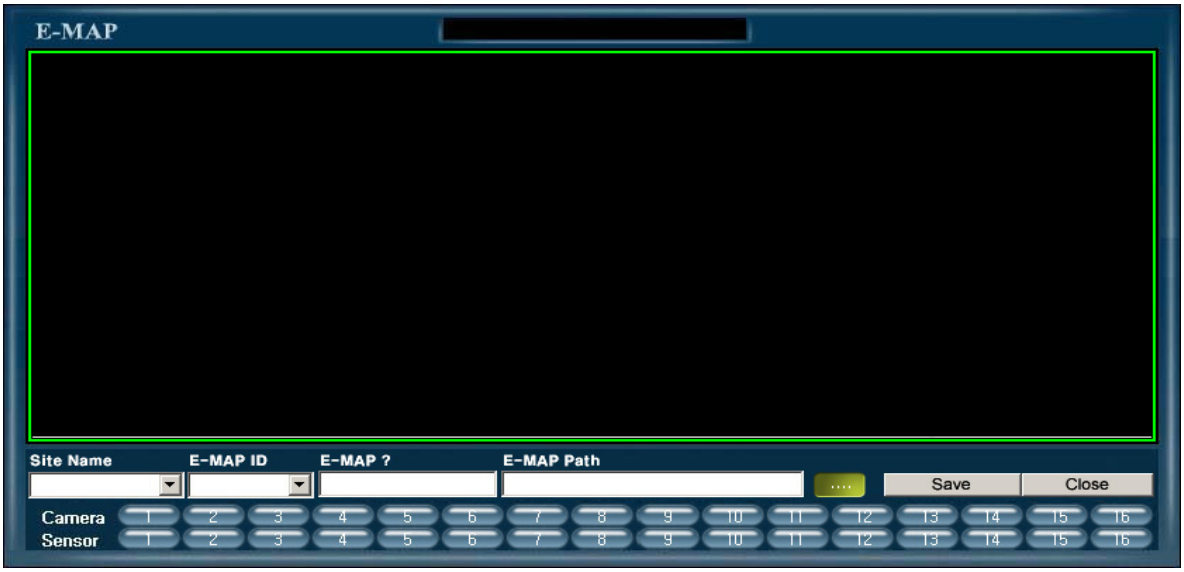
 Users can see its working status on the task bar in NetDVR PC at the bottom of the right side in the main Monitor.



IV How to use E-Map

1 Initial Screen Configuration and Names

- E-Map is for camera control and relays by Sensor or Motion event.
- Go to Start – Program – NetDVR – Emap, or C:\program files\NetDVR\E-map to activate the E-Map function.
- This E-map is written in NetDVR program, so it should be used with NetDVR.
- This E-map will be auto-activated, when Event (sensor, motion) happens with camera or sensor.



2 E-map Setup

- How to set up E-map.

※ Following is the procedure to set up E-map for NetDVR.

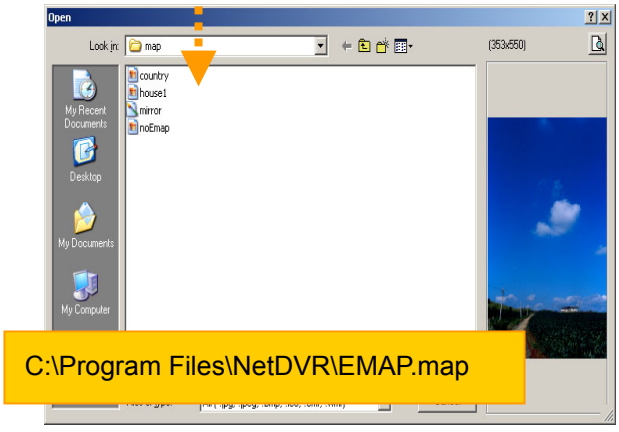
1. Select a server DVR site from Site Name where you want to connect and view with E-map function.
2. You have to make an site drawing for the site, and put it in [map] folder.
3. Select E-map ID.
4. Take a site drawing from the [map] folder.
5. Click camera, sensors, and relays with mouse, the camera, sensor, and relay icons will be shown on the E-map, and drag each camera button to the point on the drawing where you want the camera icon to be placed on the E-map.

6. Now click "Save", then the camera button color changes.
7. Just simply make other site E-map like this with the next E-map ID.
8. After making all your E-map setup, click the close button. Now the E-map is activated on the task bar.
9. This E-map will be activated and pop up automatically on the monitor by sensor-activation or motion detection, and then you can see "Yellow Circle" on the camera or sensor or relay icon in the E-map in other to know where and which camera or sensor is working at that time. Also relay out runs as well.

(1) Users can select "Site Name". Site name will be shown automatically from NetDVR site list.

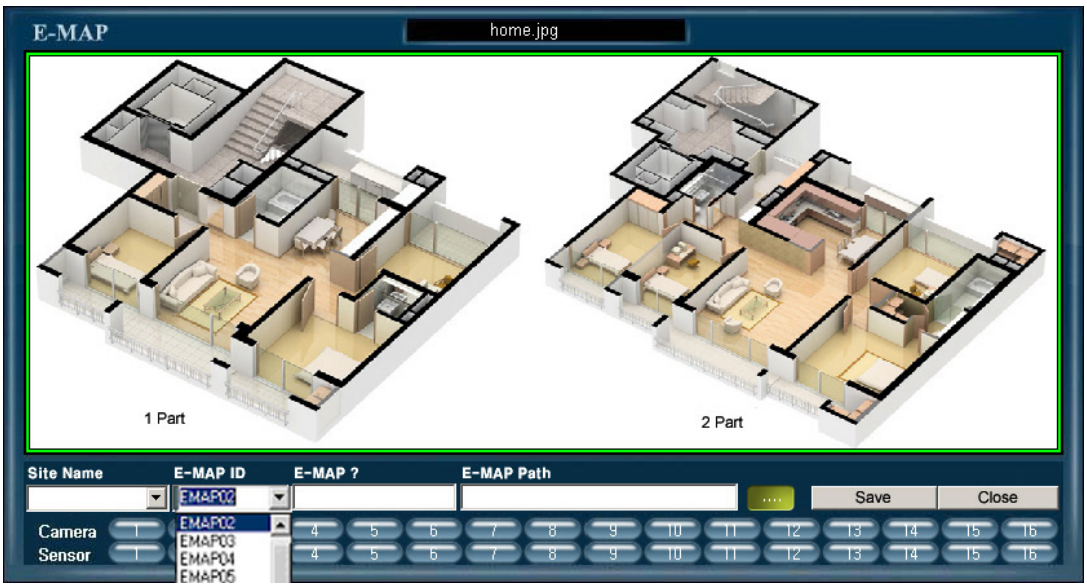
(2) Select "E-MAP ID, and take your map drawing for the site from [map] folder in E-MAP program.

(3) Users have to make their own map drawing for the site with any picture type file, and put it



(4) Click camera, sensor, and relay with mouse, the camera, sensor, and relay icons will be shown on the E-map, and drag it to the point on the drawing where you want it to be placed on the E-map. And then click "Save".

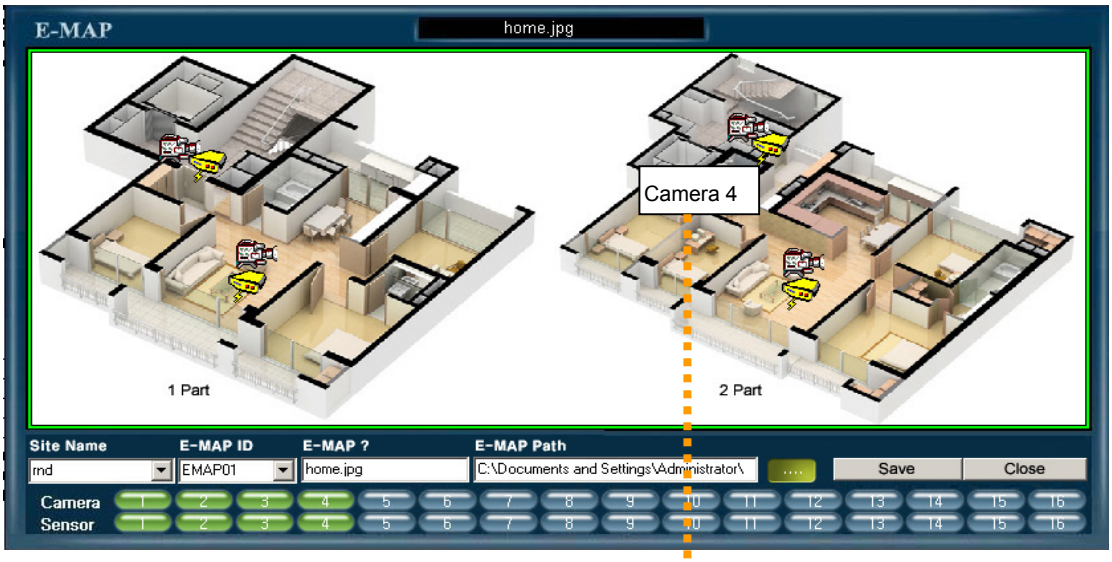
(5) Select the next E-map ID, and take other E-map for this site.



(6) After making E-map, click "**Save**", then the camera button color changes.

(7) After done with E-map, click the "Close" button. The E-map will be disappeared. However, it is working on the task bar.

(8) E-map will be activated and pop up automatically on the monitor by sensor-activation or motion detection, and then you can see "Yellow Circle" on the camera or sensor or relay icon on the E-map. By this E-map activation, user can find out which camera or sensor at which site is working at that time. Also relay –out (if connected) runs as well.



Tip : Camera No. Sensor No. Relay No. will be shown as a tool tip,
when the mouse cursor is pointed at the camera, sensor, relay icon.

(10) User can go to other camera's E-map site directly by clicking right mouse button. Just click another camera No. that you want to see, and you can automatically get the camera site E-map. This works same for sensor or relay site.

Tip : For Example,
User installed 16 cameras at 4-story building. Each floor has 4 cameras.
The first floor has camera No.1-4. The second floor has camera No.5-8, and so on. Now you are watching the first floor E-map with camera 1-4.
If you want to see camera No.8, please click right mouse button with any camera icon on the any E-map, and select the camera No.8, then you can get the camera No.8 E-map automatically.